

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A spreading code assigning method in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate, said method comprising the step of:


assigning a code associated with each base station group including more than one base station or a code associated with each network type to which said base station group belongs as said second spreading code.

Claim 2 (Currently Amended): A signal transmitting method in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a

rate of said spreading codes being higher than an information rate, said method comprising the steps of:

assigning a code associated with each base station group including more than one base station or a code associated with each network type to which said base station group belongs as said second spreading code; and

transmitting a signal which is spread with said second spreading code between a one of said more than one base station and a mobile station.



Claim 3 (Currently Amended): A direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate, said system comprising:

a base station using said second spreading code assigned to each base station group or said second spreading code assigned to each network type to which said base station group belongs, said base station group including more than one of said base station; and

a mobile station communicating with said base station by using a signal which is spread by said second spreading code assigned to said base station.

Claim 4 (Currently Amended): A transmitter in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group and a second spreading code in a second

spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate,

said transmitter assigning a code associated with each base station group including more than one base station or a code associated with each network type to which said base station group belongs as said second spreading code, and


said transmitter carrying out a communication using a signal spread by said second spreading code assigned to a one of said more than one base station.

Claim 5 (Currently Amended): A receiver in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in' a first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate,

said receiver assigning a code associated with each base station group including more than one base station or a code associated with each network type to which said base station group belongs as said second spreading code, and

said receiver carrying out a communication using a signal spread by said second spreading code assigned to a one of said more than one base station.

Claim 6 (Currently Amended): A transceiver in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate,

 said transceiver assigning a code associated with each base station group including more than one base station or a code associated with each network type to which said base station group belongs as said second spreading code, and

said transceiver carrying out a communication using a signal spread by said second spreading code assigned, to a one of said more than one base station.

Claim 7 (Original): The transmitter in the direct sequence CDMA mobile communication system as claimed in claim 4, said transmitter comprising:

second spreading code control means which generates and controls said second spreading code associated with each base station group or each network type to which said base station group belongs.

Claim 8 (Original): The receiver in the direct sequence CDMA mobile communication system as claimed in claim 5, said receiver comprising:

second spreading code control means which generates and controls said second spreading code associated with each base station group or each network type to which said base station group belongs.

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Claim 9 (Original): The transceiver in the direct sequence CDMA mobile communication system as claimed in claim 6, said transceiver comprising:

second spreading code control means which generates and controls said second spreading code associated with each base station group or each network type to which said base station group belongs.
